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16 July 2003 (16.07.2003)

Applicant

DORSTENER WIRE TECH et al

The International Bureau transmits herewith the following documents:

- ☐ copy of the international application as published by the International Bureau on under No. WO
- ☒ copy of international application as republished by the International Bureau on 13 April 2006 (13.04.2006) under No. WO 2005/009728
- For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (*as the case may be*) on the front page of the attached document.

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For two-letter codes and other abbreviations, refer to the "Guidance
Notes on Codes and Abbreviations" appearing at the beginning
of each regular issue of the PCT Gazette.

(54) Title: WIRE MESH PANEL AND METHOD

(57) Abstract: An assembly and method is provided for a decorative screen, wall, or other surface to provide a desired amount of light passing through, reflected by, and/or diffused by the decorative screen. In one preferred embodiment, at least one screen is formed of a plurality of wires that are woven together. The screen is preferably affixed within one or more transparent panels. In one embodiment, the screen may preferably have an arrangement with a number of wires having wire diameters in a selected weave or knitted pattern such that only between zero and eighty-five percent of the surface area of the screen is open area. The wire is preferably treated such that a desired level or amount metal luster is provided to control reflection/absorption properties of the screen. The screen may be utilized as building material such as walls, counters, shower enclosures, or to make other articles such as furniture.

WO 2005/009728 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/21110

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : D03D 15/00; B32B 17/06; B44C 5/04, 1/26, 1/28
 US CL : 442/2,6,18,19; 428/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 442/2,6,18,19; 428/38

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 6,103,640 (YOSHIKAWA et al) 15 Aug 2000 (15.08.2000), abstract, columns 7-9. | 1-4, 24, 27. |
| X | FR 2808473 (TNI SARL) 09 Nov 2001 (09.11.2001), page 12, lines 9-13, page 25 lines 18+, page 2, lines 5-25. | 1-4, 24, 27 |

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

21 June 2005 (21.06.2005)

Date of mailing of the international search report

12 SEP 2005

Name and mailing address of the ISA/US

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/21110

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claim Nos.: 25 and 26
because they relate to subject matter not required to be searched by this Authority, namely:
Please See Continuation Sheet
2. ☐ Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-4, 24 and 27

Remark on Protest

☐
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

PCT/US94/21110

Box I Observations where certain claims were found unsearchable 1. because they relate to subject matter not required to be searched by this Authority, namely:

Claims 25 and 26 depend from claim 24. Claim 24 requires mounting a wire mesh to a panel. Claims 25 and 26 are inconsistent with claim 24 because, firstly, the claims require adhering the metal mesh within the panels. The specification does not describe a metal mesh BOTH adhered within and mounted to a panel. Secondly, claims 25 and 26 refer to "said step of affixing," however there is no step of affixing in claim 24.

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-4, 24, 27, drawn to a process of making an assembly comprising a wire mesh mounted to one or more substantially transparent plates/panels/panes.

Group II, claim(s) 5-23, 28-36, 40, 41 drawn to an assembly and process of making an assembly, the assembly comprising a wire mesh mounted within (embedded) one or more substantially transparent plates/panels/panes.

Group III, claim(s) 37-39, drawn to an assembly comprising a uniform metallic structure mounted within (embedded) one or more substantially transparent plates/panels/panes.

The inventions listed as Groups I, II and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The special technical feature of mounting a wire mesh to a pane/panel/plate is not present throughout the claims.